

## Supplementary Information

### In-House Validation of HPLC-MS/MS Methods for Detection and Quantification of Tetracyclines in Edible Tissues and Feathers of Broiler Chickens

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**Table S1.** Parameters of MS/MS detector

Parameter	Analytical condition
Ionization	negative ion mode with a turbo ion spray TM <sup>a</sup>
Scan type	MRM <sup>b</sup>
Source temperature / °C	450
Nebulizer / psi	40
Turbo ion / psi	40
Curtain gas / psi	12
Collision gas / psi	6
Ion spray voltage / V	-3000
Entrance potential / V	-10
Dwell time / ms	250.0

<sup>a</sup>Transmission mode; <sup>b</sup>multiple reaction monitoring.

**Table S2.** Masses for parental ion and product ion, average retention times and coefficient of variation (CV) by analyte

Analyte	Parental ion mass	Product ion mass	Average retention time / min	CV / %
OTC	461.00	426.00	12.717	0.32
		381.00	12.717	0.32
4-epi-OTC	461.00	426.00	8.267	2.41
		381.00	8.258	4.24
CTC	479.00	444.00	14.617	0.28
		154.00	14.600	0
4-epi-CTC	479.00	444.00	10.142	2.3
		154.00	10.108	1.99
TC- <i>d</i> <sub>6</sub>	451.00	416.00	11.758	0.96

OTC: oxytetracycline; CTC: chlortetracycline; TC-*d*<sub>6</sub>: deuterated tetracycline.

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